

LITTLE COLORADO RIVER BASIN

09397800 BROOKBANK CANYON NEAR HEBER, AZ

LOCATION.--Lat 34°28'20", long 110°38'50", in SE¹/₄, sec.33, T.13 N., R.16 E., Navajo County, Hydrologic Unit 15020010, at Heber-Winslow Road, 4 mi northwest of Heber.

DRAINAGE AREA.--27.9 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1964	08-00-64	666		1971	09-29-71	78	
1965	01-07-65	139		1972	07-167-2	200	
1966	12-30-65	310		1973	10-19-72	390	
1967	12-07-66	140		1974	07-15-74	1.0	LT
1968	02-00-68	10		1975	08-11-75	2.0	ES
1969	03-00-69	32		1976	02-09-76	165	
1970	09-05-70	335					

Magnitude and probability of instantaneous peak flow based on period of record 1964-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
147	315	460	679	866	1,070
Weighted skew	(logs) =	-0.23			
Mean	(logs) =	2.15			
Standard dev.	(logs) =	0.41			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
65.5	11.6	6,950	99.0	3.0	22.1	2.3	5.0

